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| | | . • | | Application Number | NEW / 565 100 | | |
| 11 | FORMATION | N DI | SCLOSURE | Filing Date | December 28, 2005 | | |
| S | STATEMENT BY APPLICANT | | | First Named Inventor | Masaaki SHIMADA | | |
| | : | | | Art Unit | N/A 2818 | | |
| | . (Use as many sh | eets as | s necessary) | Examiner Name | Not Yet Assigned Earl Taylo | | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 1190-0617PUS1 | | |

| | U.S. PATENT DOCUMENTS | | | | | | |
|--------------------------------|-----------------------|------|--|------------------|-----------------------------|---|--|
| Examiner Cita Initials* No. | | Cito | Document Number | Publication Date | Name of Patentee or | Pages, Columns, Lines, Where | |
| | | No. | Number-Kind Code ² (#known) | MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear | |
| 7E | NT | AA* | US-6,580,870-B1 | 06-17-2003 | KANAZAWA et al. | | |
| | | AB* | US-6,194,743-B | 02-27-2001 | KONDOH et al. | | |
| | | AC* | US-6,900,472-B | 05-31-2005 | KONDOH et al. | | |
| | T - | AD* | US-2001-0015442-A | 08-23-2001 | KONDOH et al. | | |
| | | AE* | US-2005-0179051-A | 08-18-2005 | KONDOH et al. | | |
| | | AF* | US-6,936,859-B | 08-30-2005 | UEMURA et al. | | |
| 1 | 17 | AG* | US-2004-0222434-A | 11-11-2004 | UEMURA et al. | | |
| | V | AH* | US-6,794,690-B | 09-21-2004 | UEMURA | | |
| 7E | NT | /Al* | US-2003-0052328-A | 03-20-2003 | UEMURA | | |

| | | | FOREIG | GN PATENT D | OCUMENTS | | |
|--------------------|--------------------------|--|-------------------------|-----------------------------|--|---------------------------|-----|
| | | | Foreign Patent Document | Publication | Name of Patentee or | Pages, Columns, Lines, | |
| Examiner initiats* | Cite No. ¹ | Country Code ³ -Number ⁴ -Kind Code ⁸ (# known) | MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages or Relevant Figures Appear | Τ ⁶ | |
| /EI | NT/ | BA | JP-10-69756-A | 03-10-1998 | | | ISR |
| | | BB | JP-11-161663-A | 06-18-1999 | | | ISR |
| | 1 | BC | JP-2002-140882-A | 05-17-2002 | | | ISR |
| 1 | 1 | BD | JP-10-93905-A | 04-10-1998 | | | ISR |
| 1 | V | BE | JP-2003-189197-A | 07-04-2003 | | | ISR |
| 7E | NT/ | BF | JP-5-54465-A | 03-05-1993 | • | | ABS |

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| NON PATENT LITERATURE DOCUMENTS | | | | | | |
|---------------------------------|--------------|---|----|--|--|--|
| Examiner Initials | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | | |

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| Examiner Signature /Earl Taylor/ (06/13/2007) | Date Considered | 06/13/2007 |
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.



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auction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/B/PTO 10/563,100 Application Number INFORMATION DISCLOSURE December 30, 2005 Filing Date STATEMENT BY APPLICANT Shinya SONOBE First Named Inventor 2818 Art Unit (Use as many sheets as necessary) Not Yet Assigned Earl Taylor **Examiner Name** Sheet of 1 Attorney Docket Number 5287-0101PUS1

| | U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|--|------------------|--------------------------------|---|--|--|
| Evaminar | Cite | Document Number | Publication Date | Name of Patentee or | Pages, Columns, Lines, Where | | |
| Examiner Initials* | No. | Number-Kind Code ² (#known) | MM-DD-YYYY | Applicant of Clark Description | Relevant Passages or Relevant Figures Appear | | |
| TENT/ | AA | US-2002/0136932-A1 | 09-26-2002 | Yoshida | | | |

| | | | FOREI | GN PATENT D | OCUMENTS | | |
|-----------------------|----------|------|---|--------------------|-----------------------------|---|----------|
| Examiner Initials* | | Cite | Foreign Patent Document | Publication | Name of Patentee or | Pages, Columns, Lines, | |
| | | No.' | Country Code ³ -Number ⁴ -Kind Code ⁸ (if known) | Date MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages or Relevant Figures Appear | ™ |
| 7EI | VT/ | BA | JP-11-87771-A | 03-30-1999 | | | |
| | — | ВВ | JP-8-298341-A | 11-12-1996 | | | |
| | | BC | JP-2004-71655-A | 03-04-2004 | | | |
| 1 | 1 | BD | JP-2003-243705-A | 08-29-2003 | | | |
| 1 | V | BE | JP-2003-17741-A | 01-17-2003 | | | |
| 7E | ĪΠ | BF | JP-2001-217461-A | 08-10-2001 | | | |

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| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|--------------|---|----|--|--|
| Examiner Initials | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | |
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| Examiner | /Earl Taylor/ (06/13/2007) | Date | 00/40/0007 |
|-----------|----------------------------|------------|------------|
| Signature | reall rayion (vortorzour) | Considered | 06/13/2007 |
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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| | Complete if Known | | |
|------------------------|-----------------------|------|----|
| Application Number | 10/563,100 | | |
| Filing Date | December 30, 2005 | | |
| First Named Inventor | Shinya SONOBE | | İ |
| Art Unit | N/A 2818 | | |
| Examiner Name | Not Yet Assigned Earl | Tayl | þr |
| Attorney Docket Number | 5287-0101PUS1 | | |

| | U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|--|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | |
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| | FOREIGN PATENT DOCUMENTS | | | | | | | |
|-----------------------|--------------------------|--|-----------------------------|--|---|----------------|--|--|
| Examiner Initials* | Cite No.1 | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁸ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ | | |
| /ENT/ | BC** | JP-11-191641-A | 07-13-1999 | | | | | |
| TENT | BD** | JP-11-220171-A | 08-10-1999 | | | | | |

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|---------------------------------|--------------|---|----|--|--|--|--|
| Examiner Initials | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | | | |
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| Examiner Signature /Earl Taylo | / (06/13/2007) | Date Considered | 06/13/2007 |
|--------------------------------|----------------|--------------------|------------|

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.